IN THE CLAIMS:

Please amend the claims as follows:

1 (currently amended). A transmitter comprising:

an oscillator enclosed in a metal shield;

a Phase Lock Loop (PLL) coupled to the oscillator;

a serializer coupled to receive a clock signal from the PLL and to provide serial data; and

an electrical-to-optical converter coupled to the serializer to convert the serial data to optical signals, wherein the metal shield is soldered to a ground ring on a printed circuit board, wherein the metal shield comprises:

one or more positioning protrusions perpendicular to the printed circuit board that enter into holes in the printed circuit board; and

one or more attachment protrusions parallel to the printed circuit board for soldering the metal shield to the ground ring.

2 (cancelled).

3 (original). The transmitter of claim ~~2~~ 1, wherein the ground ring is electrically coupled to one or more ground planes of the printed circuit board.

4 (currently amended). The transmitter of claim ~~2~~ 1, wherein the metal shield is comprised at least partially of copper.

5 (cancelled).

6 (cancelled).

7 (currently amended). The transmitter of claim ~~2~~ 1, wherein the oscillator is a voltage-controlled oscillator.

8 (currently amended). A transceiver comprising:

a printed circuit board; a receiver coupled to the printed circuit board; and

a transmitter coupled to the printed circuit board, the transmitter comprising

an oscillator, a phase lock loop coupled to the oscillator, and

a metal shield covering the oscillator, the metal shield coupled to a ground ring of the printed circuit board,

wherein the metal shield comprises one or more protrusions parallel to the ground ring for attaching the metal shield to the ground ring, and

wherein the metal shield comprises one or more protrusions perpendicular to the ground ring that assist in aligning the metal shield to the

printed circuit board.

9 (original). The transceiver of claim 8, wherein the transmitter further comprises:

a serializer to receive a clock signal from the phase lock loop and to provide serial data; and

a converter coupled to the serializer to convert the serial data to optical signals.

10 (original). The transceiver of claim 8, wherein the ground ring of the printed circuit board is coupled to one or more ground planes of the printed circuit board.

11 (Cancelled).

12 (Cancelled)

13 (Cancelled).

14 (original). The transceiver of claim 8 further comprising: an electrically-conductive gasket disposed between the metal shield and the ground ring.

15 (original). The transceiver of claim 8, wherein the oscillator is a voltage-controlled oscillator.

16-20 (cancelled).